INTERNATIONAL SEARCH REPORT

International Application No

			FF/EP2004	/U11461	
A. CLASSIF IPC 7	C 07C2/40 C 07C5/05				
According to	International Patent Classification (IPC) or to both national classific	allon and IPC			
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IPC 7	cumentation searched (classification system followed by classificat C 07C				
	on searched other than minimum documentation to the extent that			· · · · · · · · · · · · · · · · · · ·	
	ata base consulted during the International search (name of data be ternal, PAJ, WPI Data, CHEM ABS Dat		l, search lerms used)		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the re	elevant passages	·	Relevant to claim No.	
А	P ROFFIA ET AL: "Catalysis by p salts IV selective hydrogenation	1-15			
	formic acid in the palladium cat dimerisation of 1,3-butadiene; s of 1,7-octadiene"				
	JOURNAL OF ORGANOMETALLIC CHEMIS vol. 55, 1973, pages 405-407, XP ELSEVIER-SEQUOIA S.A. LAUSANNE., ISSN: 0022-328X				
	the whole document				
		-/			
X Furt	ther clocuments are listed in the continuation of box C.	X Patent family	members are listed	in annex.	
Special categories of cited documents: 'A' document defining the general state of the lart which is not		cited to understa	iblished after the inte nd not in conflict with and the principle or th	the application but	
considered to be of particular relevance E' earlier docurrent but published on or after the International filing date		'X' document of partic cannot be considered.			
which citatio	ent which may throw doubts on priority claim(s) or nis cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or	'Y' document of partic cannot be considered to the considered to the considered to the constant of the constan	icular relevance; the o dered to involve an ir nbined with one or m	claimed invention nventive step when the one other such docu-	
other P' docume	means nent published prior to the international filing date but than the priority date claimed	ments, such con in the art.	ments, such combination being obvious to a person skilled		
Date of the	actual completion of the international search		the international sea	arch report	
	1 February 2005	10/02/			
Name and	mailing address of the ISA European Palent Office, P.B. 5818 Palentiaan 2 NL - 2280 HV Rijsvijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni,	Authorized officer			
J	Fax: (+31-70) 340-3016	0.2011	ivan, P		

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INTERNATIONAL SEARCH REPORT

Irrepational Application No /EP2004/011461

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C.(Continu Category *	etion) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	M F SLOAN ET AL: "Soluble catalysts for the hydrogentaion of olefins" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY., vol. 85, no. 24, 1963, pages 4014-4018, XP002279518 AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC., US ISSN: 0002-7863 example 2; table 1	1,16-21		
A	WO 03/031378 A (MASCHMEYER DIETRICH ; OXENO OLEFINCHEMIE GMBH (DE); SANTIAGO FERNAN) 17 April 2003 (2003-04-17) cited in the application page 3, line 19 - line 24 page 6, line 17 - line 21 examples 1-4	1-21		
A	US 4 229 605 A (NOZAKI KENZIE) 21 October 1980 (1980-10-21) column 2, line 44 - line 68 table 1	1-15		
A	EP 0 704 417 A (KURARAY CO) 3 April 1996 (1996-04-03) cited in the application example 1	1-15		
A	EP 0 008 139 A (SHELL INT RESEARCH) 20 February 1980 (1980-02-20) table II claim 1	1-15		
A	US 4 243 829 A (HANES RONALD ET AL) 6 January 1981 (1981-01-06) examples 1,5	1-15		
		·		

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No				
101	/EP2004/011461			

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03031378	Α	17-04-2003	DE WO EP	10149347 A1 03031378 A1 1446374 A1	10-04-2003 17-04-2003 18-08-2004
US 4229605	A	21-10-1980	DE EP JP JP JP	2965830 D1 0012472 A1 1052371 B 1583193 C 55081819 A	11-08-1983 25-06-1980 08-11-1989 22-10-1990 20-06-1980
EP 0704417	A	03-04-1996	CA DE DE EP JP US	2159135 A1 69507414 D1 69507414 T2 0704417 A2 9124518 A 5763718 A	29-03-1996 04-03-1999 02-09-1999 03-04-1996 13-05-1997 09-06-1998
EP 0008139	Α	20-02-1980	DE EP JP	2962197 D1 0008139 A1 55019275 A	25-03-1982 20-02-1980 09-02-1980
US 4243829	Α	06-01-1981	US	4377719 A	22-03-1983